

z/VM Systems Programming Workshop

Course Summary

Description

This course is designed to provide attendees with the skills needed to maintain, install, service and configure a z/VM system. This course is of particular interest to systems professionals with experience in Linux or z/OS with a need for skills acquisition in the z/VM platform. The workshop is designed to give you the "how to" required with plenty of "that's how it works" included. Of course there are no shortcuts to becoming an experienced z/VM systems programmer, but we provide you with a framework of conceptual and practical understanding that will let you quickly excel and be productive in the z/VM arena.

Topics

- VM Overview
- CP and CMS Fundamentals
- XEDIT Fundamentals
- DIRMAINT
- zVM Installation and Service
- zVM Performance Overview

Duration

Five Days

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Course Outline

I. *VM Overview*

- A. zVM Concepts and Functions
- B. Virtual Machine Model
- C. Define Guest Operating Systems
- D. Review z/390 Architecture
- E. Control Program Description
- F. CP Console Function Commands

II. *CP and CMS Fundamentals*

- A. The basic functions of the Control Program
- B. Sample storage and disk layouts used by CP
- C. CP Directory entries
- D. CP Privilege Classes
- E. CP Console function commands
- F. CMS Virtual Machine characteristics
- G. CMS Commands
- H. CMS File System

III. *XEDIT Fundamentals*

- A. Layout of standard XEDIT window
- B. XEDIT Commands
- C. Xedit Prefix Commands
- D. Using XEDIT Effectively

IV. *DIRMAINT*

- A. The CP DIRECTORY
- B. Setting up and configuring a DIRMAINT server
- C. Setting up and configuring a DATAMOVE machine
- D. Issuing DIRMAINT commands for userid management
- E. Issuing DIRMAINT commands for storage management

V. *zVM Installation and Service*

- A. How zVM is installed
- B. How zVM is maintained
- C. Overview of zVM SES/E
- D. zVM SES/E commands and facilities
- E. Installing and Maintaining zVM base components
- F. Overview of Shared Segments
- G. Maintaining Shared Segments

VI. *zVM Performance Overview*

- A. An overview of zVM subsystems
- B. An overview of the zVM dispatcher
- C. An overview of the zVM scheduler
- D. Sources of performance data
- E. Viewing performance data with CP console function commands
- F. Using the IBM PERFKIT to analyze performance data